

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07238495 A**

(43) Date of publication of application: **12.09.1995**

(51) Int. Cl. **D21H 19/38**

D21H 21/50

(21) Application number: **06030569**

(22) Date of filing: **28.02.1994**

(71) Applicant: **NEW OJI PAPER CO LTD**

(72) Inventor: **HIGUCHI MASAHIRO**

FUJIWARA SEIJI

KURODA TAKIO

(54) **PRODUCTION OF BULKY MAT COATED PAPER**

(57) Abstract:

PURPOSE: To provide a process for the production of bulky mat coated paper having especially strong stiffness and excellent printability and free from the problems of blanket piling and deficient fixation of printing ink (offset phenomenon of printing ink).

CONSTITUTION: This process for the production of bulky mat coated paper comprises the application of an under-coating layer composed mainly of a pigment

and an adhesive and a top-coating layer to base paper. Especially, an under-coating layer is applied to base paper having a bulk density of $\leq 0.7 \text{g/cm}^3$ to form an under-coating layer having an air-permeability of 8-80sec in conformity to ASTM D-726 and the under-coating layer is coated with a top-coating layer containing $\geq 20 \text{wt.}\%$ (based on the total-pigment) of precipitated calcium carbonate having an average particle diameter of $0.7\text{-}10 \mu\text{m}$ and $\geq 30 \text{wt.}\%$ (based on the total pigment) of ground limestone having an average particle diameter of $5\text{-}15 \mu\text{m}$.

COPYRIGHT: (C)1995,JPO